

METHOD AND SYSTEM FOR COMBINING
MULTI-SPECTRAL IMAGES OF A SCENE

ABSTRACT OF THE DISCLOSURE

A system (100) for combining multi-spectral images of a scene (102) is disclosed. The system (100) is compatible with a viewing system (104) for viewing the scene (102) in a first spectral range. The viewing system (104) has an objective lens (110), an image intensifier (112) and viewing optics (114). There is a detector (128) for viewing the scene (102) in a second spectral band. The detector (128) has an image output (129) representative of the viewed scene. A display (132) for receiving and displaying the image output is provided. There is a collimator (134) for receiving and projecting the displayed image. A beam mixer (118) is provided for receiving both the viewed scene in the first spectral band and the displayed image and conveying the combined images to the viewing system (104) to construct the combined multi-spectral images of the scene. The system may also be used stand-alone without the viewing system (104).